

Abstract

Methods for making glass-ceramics comprising Al_2O_3 , REO, at least one of ZrO_2 or HfO_2 and at least one of Nb_2O_5 or Ta_2O_5 . Glass-ceramics according to the present invention can be made, formed as, or converted into glass beads, articles (e.g., plates), fibers, particles, and thin coatings. Some embodiments of glass-ceramic particles according to the present invention can be are particularly useful as abrasive particles.

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